

R. Shukla

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1632

#8

12-6-00

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/357,675A

DATE: 07/18/2000  
TIME: 13:50:01

ENTERED

Input Set : A:\Seqlist.txt  
Output Set: N:\CRF3\07182000\I357675A.raw

4 <110> APPLICANT: Croce, M.D., Carlo M.  
6 <120> TITLE OF INVENTION: Nitrilase Homologs  
9 <130> FILE REFERENCE: CRO01.NP001  
11 <140> CURRENT APPLICATION NUMBER: 09/357,675A  
12 <141> CURRENT FILING DATE: 1999-07-20  
14 <150> PRIOR APPLICATION NUMBER: 60/093,350  
15 <151> PRIOR FILING DATE: 1998-07-20  
17 <160> NUMBER OF SEQ ID NOS: 18  
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
21 <210> SEQ ID NO: 1  
22 <211> LENGTH: 1416  
23 <212> TYPE: DNA  
24 <213> ORGANISM: Homo Sapiens  
26 <220> FEATURE:  
27 <221> NAME/KEY: gene  
28 <222> LOCATION: (0)...(0)  
29 <223> OTHER INFORMATION: n=a  
31 <400> SEQUENCE: 1

W--> 32 gccactgc tgcggcctnt ctggtccag accgcccctc ggatcgacc ctgcgaatgg 60  
33 ttttgctat atcttcatgt aggacctact cctatcccgc tggccgcggg ctgggcttca 120  
34 tcaccaggcc tcttcacaga ttctgtgtcc ttctgtgtcc tggactccgg atacctcaac 180  
35 tctcagtact ttgtgtctcag ccagggccca gagccatggc tatctctctt tctcctgcg 240  
36 aactgccctt ggtggtgtg tgccaggtaa catcgacgcc agacaagcaa cagaacttta 300  
37 aaacatgtgc tgagctggtt cgagaggctg ccagactggg tgcctgcctg gctttcctgc 360  
38 ctgaggcatt tgacttcatt gcacgggacc ctgcagagac gctacacctg tctgaaccac 420  
39 tgggtgggaa acttttgaa gaataacccc agcttgccag ggaatgtgga ctctggctgt 480  
40 ccttgggtgg tttccatgag cgtggccaag actgggagca gactcagaaa atctacaatt 540  
41 gtcacgtgct gctgaacagc aaaggggagc tagtggccac ttacagggaag acacatctgt 600  
42 gtgacgtaga gattccaggc caggggccta tgtgtgaaag caactctacc atgcctgggc 660  
43 ccagtcttga gtcacctgtc agcacaccag caggcaagat tggcttagct gtctgctatg 720  
44 acatgcggtt ccctgaactc tctctggcat tggctcaagc tggagcagag atacttacct 780  
45 atccttcagc ttttgatcc attacaggcc cagcccactg ggaggtgttg ctgcgggccc 840  
46 gtgctatoga aaccacgtgc tatgtagtgg cagcagcaca gtgtggacgc caccatgaga 900  
47 agagagcaag ttatggccac agcatggtgg tagaccctg gggaacagtg gtggcccgt 960  
48 gctctgaggg gccaggcctc tgccttgccc gaatagacct caactatctg cgacagttgc 1020  
49 gccgacacct gcctgtgttc cagcacccga ggcctgacct ctatggcaat ctgggtcacc 1080  
50 cactgtctta agacttgact tctgtgagtt tagacctgcc cctcccaccc ccaccctgcc 1140  
51 actatgagct agtgtctatg tgacttgag gcaggatcca ggcacagctc cctcacttg 1200  
52 gagaaccttg actctcttga tggaaacacag atgggctgct tgggaaagaa actttcacct 1260  
53 gagcttcacc tgaggtcaga ctgcagtttc agaaagggtg aattttatat agtcattgtt 1320  
54 tattttcatg aaactgaagt tctgtgagg gctgagcagc actggcattg aaaaatataa 1380  
55 taatcataaa gtcaaaaaaa aaaaaaaaaa aaaaaa 1416  
57 <210> SEQ ID NO: 2  
58 <211> LENGTH: 23  
59 <212> TYPE: DNA  
60 <213> ORGANISM: Homo sapiens  
62 <400> SEQUENCE: 2

RECEIVED

AUG 02 2000

TECH CENTER 1600/2900

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/357,675A  
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Input Set : A:\Seqlist.txt  
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63 tctgaaactg cagtctgacc tca 23
65 <210> SEQ ID NO: 3
66 <211> LENGTH: 21
67 <212> TYPE: DNA
68 <213> ORGANISM: Homo sapiens
70 <400> SEQUENCE: 3 21
71 caggcacagc tccccctcact t
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 20
75 <212> TYPE: DNA
76 <213> ORGANISM: Homo sapiens
78 <220> FEATURE:
79 <223> OTHER INFORMATION: n=a, g, c or t
81 <400> SEQUENCE: 4 20
W--> 82 gtngtnccng gncaygtngt
84 <210> SEQ ID NO: 5
85 <211> LENGTH: 26
86 <212> TYPE: DNA
87 <213> ORGANISM: Homo sapiens
89 <220> FEATURE:
90 <223> OTHER INFORMATION: n=a, g, c or t
92 <400> SEQUENCE: 5 26
W--> 93 acrtgnacrt gyttnacngt ytgngc
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 21
97 <212> TYPE: DNA
98 <213> ORGANISM: Drosophila melanogaster
100 <400> SEQUENCE: 6 21
101 gcgcctttgt ggcctcgact g
103 <210> SEQ ID NO: 7
104 <211> LENGTH: 21
105 <212> TYPE: DNA
106 <213> ORGANISM: Drosophila melanogaster
108 <400> SEQUENCE: 7 21
109 cgggtggcgga agttgtctgg t
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 20
113 <212> TYPE: DNA
114 <213> ORGANISM: Caenorhabditis elegans
116 <400> SEQUENCE: 8 20
117 gtggcggctg ctcaaaactgg
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 21
121 <212> TYPE: DNA
122 <213> ORGANISM: Caenorhabditis elegans
124 <400> SEQUENCE: 9 21
125 tcgcgacgat gaacaagtcg g
127 <210> SEQ ID NO: 10
128 <211> LENGTH: 19

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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/357,675A

DATE: 07/18/2000  
 TIME: 13:50:01

Input Set : A:\Seqlist.txt  
 Output Set: N:\CRF3\07182000\I357675A.raw

129 <212> TYPE: DNA	
130 <213> ORGANISM: Homo sapiens	
132 <400> SEQUENCE: 10	19
133 gccctccgga tcggaccct	
135 <210> SEQ ID NO: 11	
136 <211> LENGTH: 20	
137 <212> TYPE: DNA	
138 <213> ORGANISM: Homo sapiens	
140 <400> SEQUENCE: 11	20
141 gacctactcc ctatccgtc	
143 <210> SEQ ID NO: 12	
144 <211> LENGTH: 21	
145 <212> TYPE: DNA	
146 <213> ORGANISM: Homo sapiens	
148 <400> SEQUENCE: 12	21
149 gctgcgaagt gcacagctaa g	
151 <210> SEQ ID NO: 13	
152 <211> LENGTH: 24	
153 <212> TYPE: DNA	
154 <213> ORGANISM: Homo sapiens	
156 <400> SEQUENCE: 13	24
157 aaactgaagc ctctttcctc tgac	
159 <210> SEQ ID NO: 14	
160 <211> LENGTH: 20	
161 <212> TYPE: DNA	
162 <213> ORGANISM: Homo sapiens	
164 <400> SEQUENCE: 14	20
165 tgggcttcat caccaggcct	
167 <210> SEQ ID NO: 15	
168 <211> LENGTH: 22	
169 <212> TYPE: DNA	
170 <213> ORGANISM: Homo sapiens	
172 <400> SEQUENCE: 15	22
173 ctgggctgag cacaaagtac tg	
175 <210> SEQ ID NO: 16	
176 <211> LENGTH: 21	
177 <212> TYPE: DNA	
178 <213> ORGANISM: Homo sapiens	
180 <400> SEQUENCE: 16	21
181 gcttgctctgg cgctgatgtt a	
183 <210> SEQ ID NO: 17	
184 <211> LENGTH: 36	
185 <212> TYPE: DNA	
186 <213> ORGANISM: Homo sapiens	
188 <400> SEQUENCE: 17	36
189 tgacgtcgac atatgtcaac tctagttaat accacg	
191 <210> SEQ ID NO: 18	
192 <211> LENGTH: 25	
193 <212> TYPE: DNA	

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/357,675A

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Input Set : A:\Seqlist.txt  
Output Set: N:\CRF3\07182000\I357675A.raw

194 <213> ORGANISM: Homo sapiens  
196 <400> SEQUENCE: 18  
197 tgggtacctc gactagctta tgtcc

25

VERIFICATION SUMMARY                      DATE: 07/18/2000  
PATENT APPLICATION:    US/09/357,675A              TIME: 13:50:02

Input Set : A:\Seqlist.txt  
Output Set: N:\CRF3\07182000\I357675A.raw

L:32 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:82 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4  
L:82 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4  
L:82 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:4  
L:93 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5  
L:93 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5  
L:93 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:5